PROJECT	PLANE COORDINATES FROM GEOGRAPHIC COORDINATES ON THE TRANSVERSE MERCATOR PROJECTION. (CALCULATING MACHINE COMPUTATION) For use of this form, see FM 3-34.331; the proponent agency is TRADOC.	
ORGANIZATION		
LOCATION	ZONE	CENTRAL MERIDIAN

STATION												
ϕ												
λ												
$\Delta\lambda$=Central mer. $-\lambda$												
$\Delta\lambda''$												
$\left(\frac{\Delta\lambda''}{100}\right)^2$												
H												
V												
a | b												
$x'=H \cdot \Delta\lambda \pm ab$												
$V\left(\frac{\Delta\lambda''}{100}\right)^2 \pm c$												
Tabular y												
X												
Y												
$\Delta a''$												
Δa												
Geod. Az. to Ax. Mk.												
Grid Az. to Az. Mk.												

$X=x'+$ 500,000

Y=Tab. $y+ V\left(\frac{\Delta\lambda'}{100}\right)^2 \pm c$

When ab is $\begin{matrix}-\\+\end{matrix}$, $\begin{matrix}\text{decrease}\\\text{increase}\end{matrix}$ $H \cdot \Delta\lambda$ numerically

$\Delta a''= \Delta\lambda'' \sin\phi + g$ g increases $\Delta\lambda'' \sin\phi$ numerically

Grid Az.=Geod. Az. $-\Delta a$

COMPUTED BY	DATE *(YYYYMMDD)*	CHECKED BY	DATE *(YYYYMMDD)*